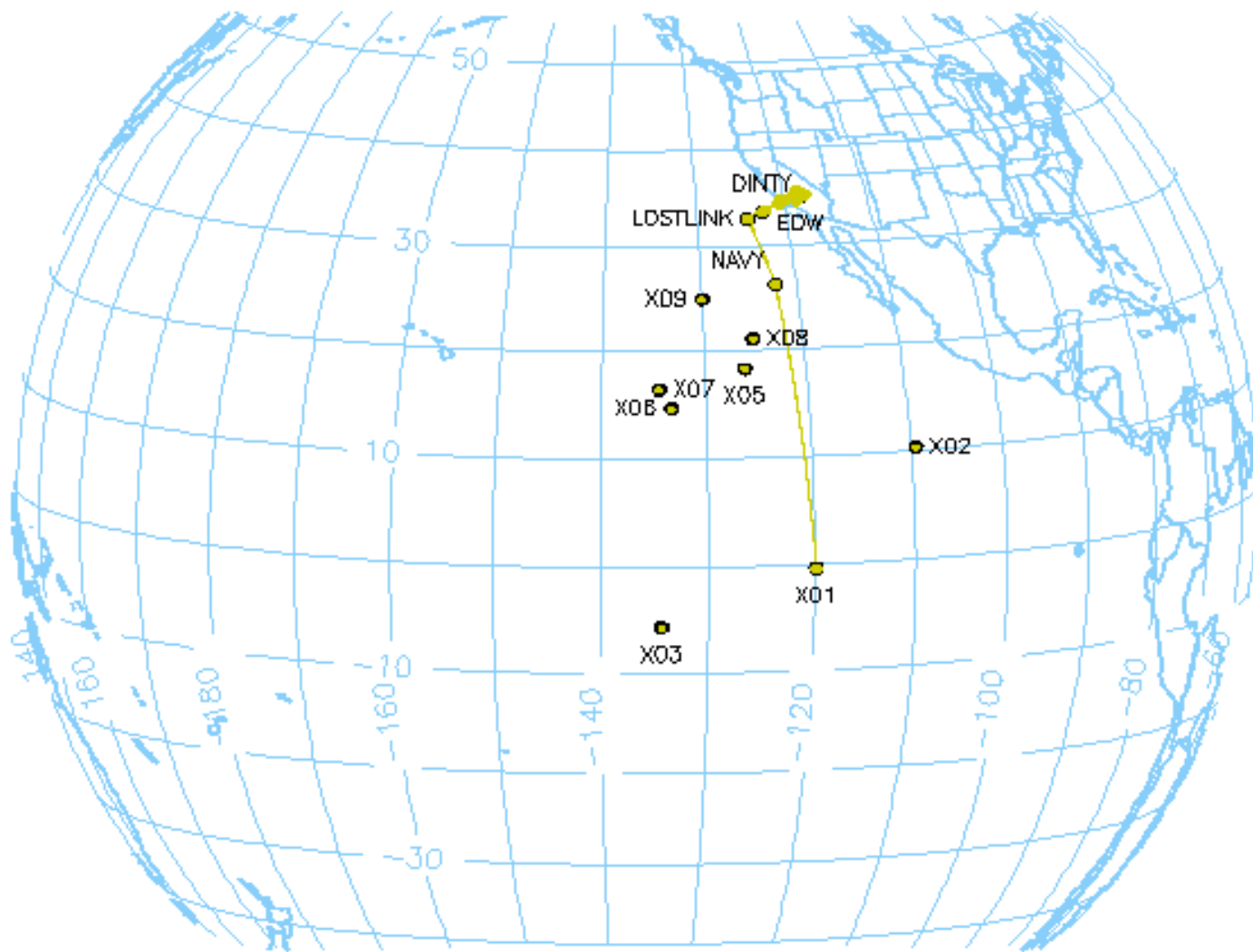
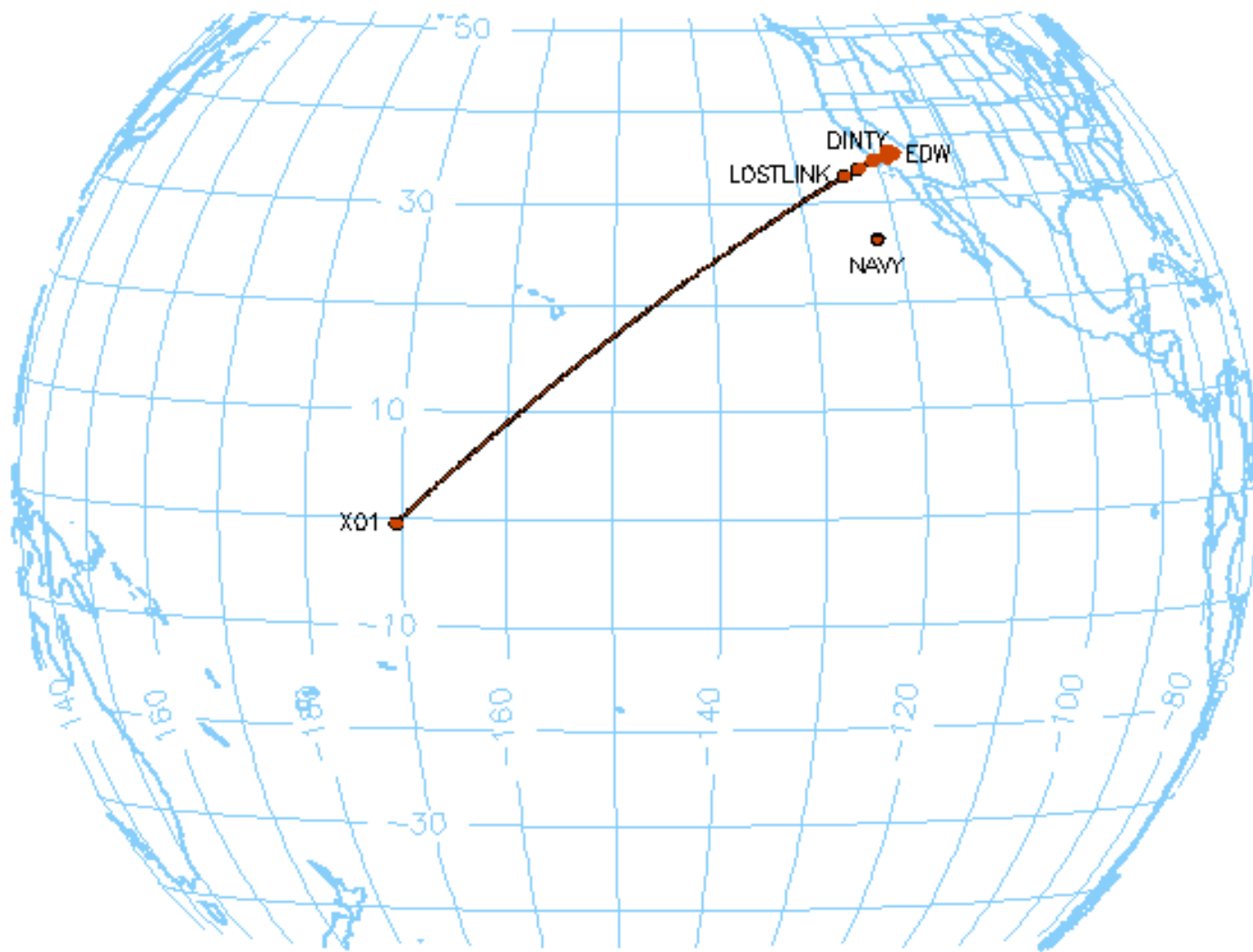




22:50



15:35



23:01

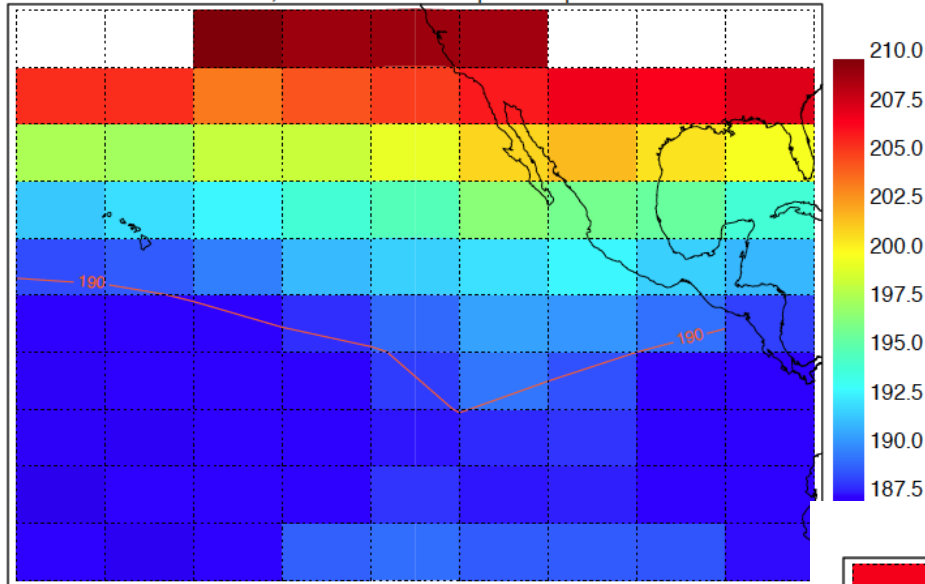
Mitigation plans if temperature restrictions remain in place

Certain Global Hawk components (e.g., actuators) are only certified down to 189.7 K. If this restriction is not limited...

- Where will we be able to fly in Jan-Feb 2013?
- What science goals can we still address?
 - TTL Profiling
 - TTL cirrus sampling
 - Convective detrainment sampling
 - Wave measurements

Where can we profile through the TTL?

Jan-Feb, 2010 COSMIC Cold-point temperature



- Based on forecasts of ENSO and QBO phasing, we will likely encounter temperatures somewhere between 2009 and 2010.
- On some flights, we will be able to profile across the cold point in the deep tropics.

- We will not be able to fly in the coldest regions.
- We could fly downwind of cold regions to look for evidence of dehydration (long flights)

Jan-Feb, 2009 COSMIC Cold-point temperature

